

## Lecture questions

In this exercise you will answer questions related to this week's lecture.

Note that you can submit the answer to each question only once. The questions are designed to be easy if you have followed the lecture. Note that the questions can vary slightly between students.

Points0 / 10

My submissions1 / 1

Deadline Friday, 26 May 2023, 19:00  
To be submitted alone

You have used the allowed amount of submissions for this assignment.

Digital vs. analog experiments

Question 10 / 10

Which of the following are advantages of digital experiments as compared to analog experiments?

☐ Pre-treatment information about participants may be available that can help allow or block certain participants

☐ Ethics are relatively easy to reason about

☒ All of the above

☐ None of the above

✖ Incorrect

Submit

Points10 / 10

My submissions1 / 1

Deadline Friday, 26 May 2023, 19:00  
To be submitted alone

You have used the allowed amount of submissions for this assignment.

Validity

Question 110 / 10

Which of the following types of validity pertains to assessing whether the experimental procedures were performed correctly?

☐ Statistical conclusion validity

☒ Internal validity

☐ Construct validity

☐ External validity

✔ Correct!

Submit

Points10 / 10

My submissions1 / 1

Deadline Friday, 26 May 2023, 19:00  
To be submitted alone

You have used the allowed amount of submissions for this assignment.

3 Rs

Question 110 / 10

What are the 3 Rs for building ethics into the experimental design?

☐ Replace, Refine, Reject

☐ Replace, Redefine, Reduce

☐ Remove, Refine, Reduce

☒ Replace, Refine, Reduce

✔ Correct!

Submit

Points10 / 10

My submissions1 / 1

Deadline Friday, 26 May 2023, 19:00  
To be submitted alone

You have used the allowed amount of submissions for this assignment.

Randomized controlled experiments

Question 110 / 10

What are the four steps in designing and executing randomised controlled experiments?

☒ Recruit participants, Randomised treatment & control, Delivering treatment, Measuring outcomes for both treatment and control group

☐ Recruit participants, Randomised treatment & control, Delivering control, Measuring outcomes for control group only

☐ Recruit participants, Randomised treatment & control, Delivering treatment, Measuring outcomes for treatment group only

☐ Recruit participants, Randomised treatment & control, Delivering control, Measuring outcomes for both control and treatment group

✔ Correct!

Submit

Points10 / 10

My submissions1 / 1

Deadline Friday, 26 May 2023, 19:00  
To be submitted alone

You have used the allowed amount of submissions for this assignment.

Lab experiments

Question 110 / 10

Which of the following are advantages of lab experiments over field experiments?

☐ (Near) complete control over experiment environment

☐ Additional process information about why participants behave the way they do

☒ All of the above

☐ None of the above

✔ Correct!

Submit

Points10 / 10

My submissions1 / 1

Deadline Friday, 26 May 2023, 19:00  
To be submitted alone

You have used the allowed amount of submissions for this assignment.

Lab and field experiments

Question 110 / 10

It is fruitful to consider lab experiments and field experiments (whether analog or digital) as complementary experimental techniques rather than as competing methods.

☒ True

☐ False

✔ Correct!

Submit